



## How to Order CONTEMPRA™ Furniture

When ordering CONTEMPRA furniture for an installation it is helpful to follow a systematic procedure for listing and specifying the units and accessories that will be needed.

One such procedure is suggested here:

Fisher Laboratory Furniture Division has prepared the CONTEMPRA Laboratory Planning Kit as an aid for laboratory planners. (Kits are available from any Fisher branch.) By using the Planning Kit, you can plan the layout of your laboratory and specify the furniture needed for it with the assurance that when your furniture is delivered, every unit will fit smoothly into the place where you want to use it.

The kit contains graph paper on which you draw an accurate floor plan of the laboratory on a scale of one-half inch per foot. Top-view and elevation push-outs of the CONTEMPRA units are printed to the same scale, so that each unit will occupy exactly the same space on the plan that it will require in the laboratory.

By arranging the furniture push-outs on the floor plan, you can try various combinations and arrangements of units until you have found the most convenient and economical. (Detailed instructions for doing this are provided in the Laboratory Planning Kit.)

By following the procedure suggested below, step by step, you can determine and specify everything you will need in your CONTEMPRA furniture installation.

1. Make sure that all components in the installation are labeled with their proper catalog numbers on your plan of the laboratory. The catalog number of each base unit or assembly and the code numbers of the drawers are printed on the respective elevation drawings. You will have to add the other components—work tops, service shelves, end caps, filler panels, transition panels, etc.

2. Beginning at some convenient starting point, number each individual assembly consecutively. An assembly, in this case, should include all the components that are used together: for example, a base unit, its work top, any service fixtures to be installed on the service shelving behind it, etc. Storage cases mounted on the wall above the benches should be given separate assembly numbers.

3. Using a sheet like the "Sample Assembly Outline" list the catalog numbers of the main components in each of the numbered assemblies on your plan of the laboratory. Don't forget to specify the correct catalog no. for each color of drawer front. (If the specific drawer front catalog nos. are not used, Fisher will supply slate gray drawer fronts.)

4. On another sheet make an itemized list of all the accessory units shown on your numbered plan of the installation—sections of service shelving, service fixtures, end caps, filler and extension panels, stools, chairs, office equipment, etc. Total the number of units of each kind (with the same catalog number) in the complete installation.

5. Finally, list these totals with the respective catalog numbers and descriptions of the units on a sheet like the "Sample Accessory Outline."

These two lists should include everything you need in your CONTEMPRA installation. You can transfer the tabulated information directly to your requisition.

### CONTEMPRA Furniture

#### Sample Assembly Outline

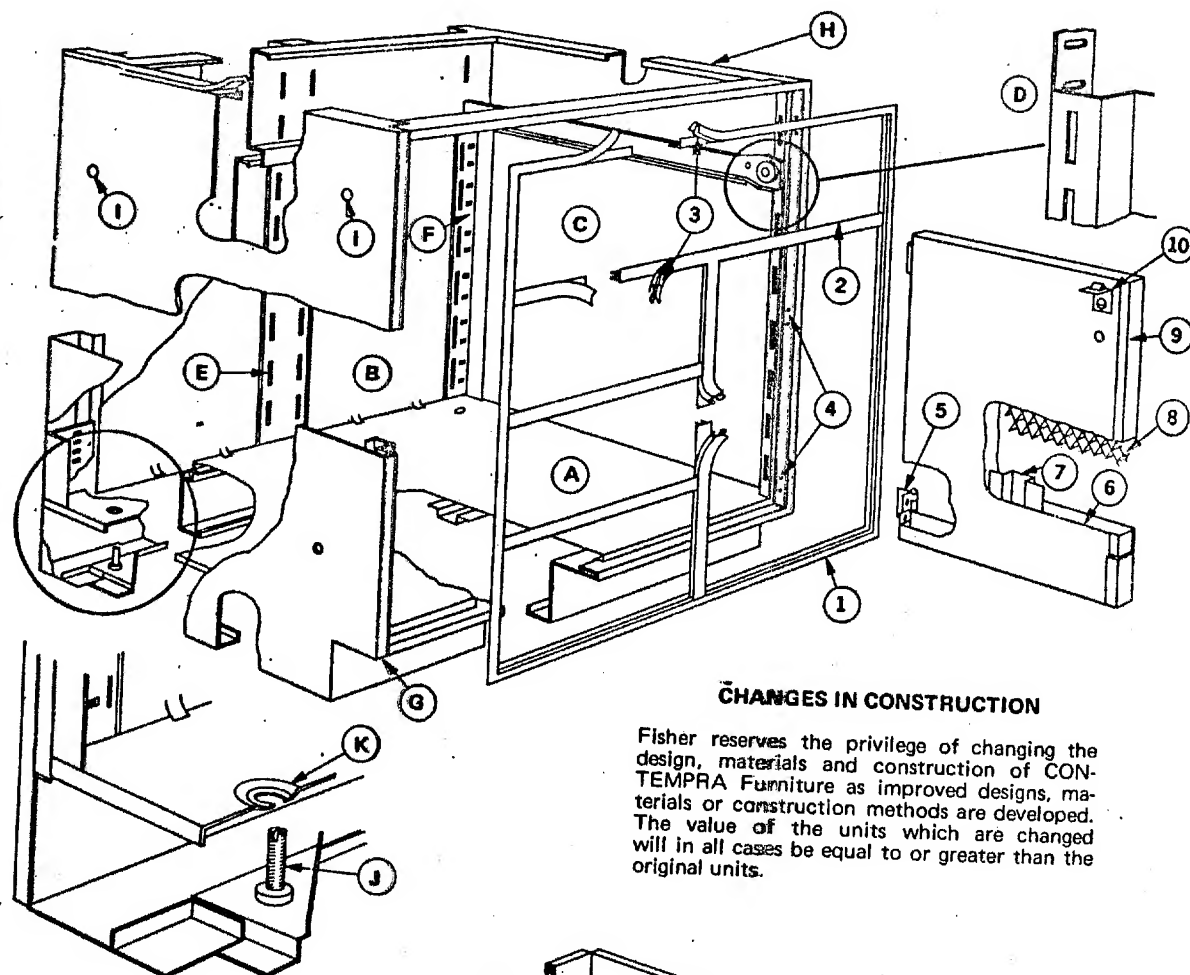
Assembly No.	Quantity	Cat. No.	Description
(1)	1	97-260	Drawer Unit with
	1	91-750G	Green, Drawer Head
	1	91-750B	Beige, Drawer Head
	1	91-750Y	Yellow, Drawer Head
	1	91-750Z	Orange, Drawer Head
(2)	1	97-208-D	Duratek Top
	1	order 3 parts:	Fume Hood Assembly
		93-401	Superstructure
		97-40H-D	Work Top
(3)	1	97-340	Drawer-Cupboard
	1	91-730G	Unit with
	1	91-720Z	Green, Drawer Head
	1	91-720Y	Orange, Drawer Head
	1	91-720B	Yellow, Drawer Head
(4)	1	97-30A-D	Beige, Drawer Head
	1	97-260	Duratek Top
	1	91-750G	Drawer Unit with
			Green, Drawer Head
(5)	1	97-20A-D	Duratek Top
	1	order 4 parts:	Sink Assembly
		97-490	Base Unit
		97-40S-D	Work Top
		91-500D	Sink Basin
(6)	1	91-59A	Plumbing Package
	1	91-843C	Wall Case (4 ft)
(7)	1	97-760	ReVolva-Drawer Unit
	1	97-70L-D	Duratek Top

#### Sample Accessory Outline

Quantity	Cat. No.	Description
1	91-100	Semi-Permanent Cement, Cartridge
39 ft	91-110	Cove Molding
1 qt	91-111	Cove Molding Cement
1	91-250	Laboratory Stool
1	91-265	Biology-Science Chair
1	91-350	End Filler Panel
1	91-357	Knee Space Filler Panel
1	91-360	Transition Filler Panel
1	91-363L-R	Service Shelf End Filler
1	91-381	Service Ledge, 4 ft
1	91-382	Service Ledge, 8 ft
1	91-383	Service Shelf, 4 ft
2	91-384	Service Shelf, 8 ft
1	91-387	Service Shelf, Corner
2	91-412G	Double Cock, Gas
1	91-412V	Double Cock, Vacuum
1	91-412A	Double Cock, Air
3	91-436	Electrical Flush Box

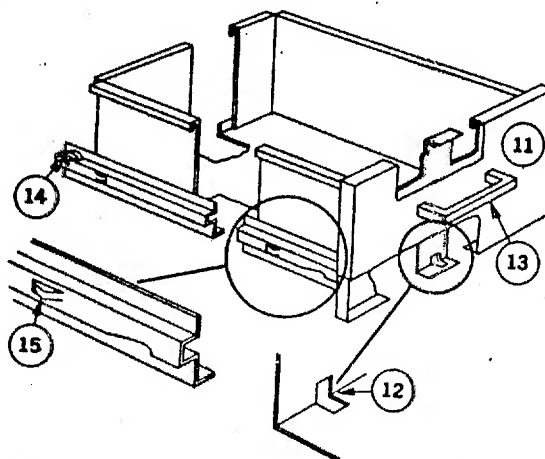


## CONTEMPRA Construction



### CHANGES IN CONSTRUCTION

Fisher reserves the privilege of changing the design, materials and construction of CONTEMPRA Furniture as improved designs, materials or construction methods are developed. The value of the units which are changed will in all cases be equal to or greater than the original units.



Details of CONTEMPRA drawer construction.



## CONTEMPRA Furniture

## Construction of CONTEMPRA Base Units

- A. All base units have a one-piece case bottom which gives additional rigidity and helps make the interior dust-tight.
- B. All units have dust-tight back panels that can be removed to check utilities without moving the cabinet or the assembly.
- C. The interior of all base units is smooth to facilitate cleaning, and is painted shell white to give maximum reflection of light inside the cupboards and drawers. There are no projections to catch and hold dirt.
- D. The full weight of the unit is carried by the vertical end uprights. They are punched to hold the drawer case channels and the removable drawer-cupboard alignment frame.
- E. Drawer case channels fit into slots in the back panel and end uprights; they slide on ball-bearing nylon rollers.
- F. Cupboard shelves (not shown) are removable, and are adjustable in 1-1/4-inch steps. The adjustment slots are in the vertical uprights, covered on the outside so that dust cannot enter. Formed construction assures that the shelves do not have sharp edges.

Double cupboards have two removable half-depth shelves that can be used to make one full-depth shelf or two half-shelves with room in front for tall bottles or other equipment. (Extra shelves are available as accessories.)

Single cupboards have a full-depth pull-out shelf on nylon rollers like the drawers. These shelves can be removed and used as trays to carry bottles and small apparatus.

- G. The recessed toe-space is completely enclosed to keep dust out of the cabinet.
- H. Strips of urethane foam, backed with adhesive Mylar tape, are cemented to the top of the base units to provide a dust-seal between the work top and the cabinet.
- I. Pre-drilled holes, fitted with chrome-plated caps, make it easy to bolt base units together in assemblies. The finish will not be damaged when the caps are removed.
- J. All four corners of the unit have reinforcing gussets that hold 3-inch-long leveling bolts. These make it easy to bring the base into perfect alignment with adjacent units.
- K. The heads of the leveling bolts are reached through access holes with removable flush cover buttons. The bolt-heads are slotted to permit easy adjustment with a screwdriver.

## Door Construction

1. A removable frame, which forms the front face of the unit, determines the arrangement of drawers and cupboards in the cabinet, and allows easy access to the service lines, even on all-drawer units.

2. Horizontal frame rails between all drawers, and between drawers and cupboards, strengthen and add rigidity to the base units.
3. Replaceable neoprene gasketing around all doors and drawers makes them dust-tight and deadens the noise of opening and closing.
4. Holes for the door hinges are pre-drilled. The door is removable for repairing.
5. Door hinges are of the 5-knuckle institutional type, 2-1/2 inches high, with satin-chrome finish.
6. Doors and drawer heads are of double-panel construction. Both panels are completely finished and painted inside and out before they are assembled. There are no unprotected surfaces.
7. Door panels are reinforced by interior channels.
8. Doors and drawer-heads are filled with a honeycombed sound-deadening material.
9. Doors open a full 180°. They will hold a 200-pound man without racking the cupboard or damaging the hinges.
10. A roller catch holds the doors closed and prevents wear on the finish at the door edge.

## Drawer Construction

11. The removable drawer-heads are interchangeable to permit color-coding.
12. An easy-access screwdriver notch facilitates installation and interchange of the colored drawer-heads.
13. Drawer and door pulls are strong die-castings with polished chrome finish.
14. Drawers roll on nylon rollers, eliminating metal-to-metal wear. A safety stop prevents the drawer from being removed unintentionally.
15. Nylon tabs prevent side-play in the drawers, so that they open and close smoothly no matter how heavily they are loaded. Drawers are self-closing for the last 3 inches. They stay closed and will not bounce open when slammed shut.

### Color Code for CONTEMPRA Drawer Fronts

When ordering CONTEMPRA base units, the color must be specified for each drawer. The number of each drawer (in parenthesis after the drawer dimensions in each description) must be given plus the code for its color. Color codes are listed below. (Fisher will supply Slate Gray drawer fronts if no other colors are specified.)

S . . . . . Slate Gray	Y . . . . . Yellow
Z . . . . . Orange	B . . . . . Beige
G . . . . . Green	

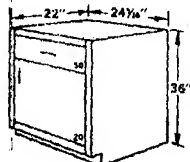
INDEX

CONTEMPRA Furnit.

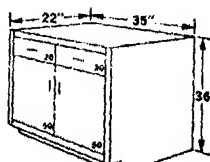


## CONTEMPRA Base Units Standing-Height, 36 Inches

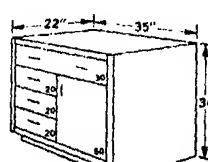
### A. Drawer-Cupboards



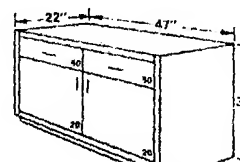
97-230



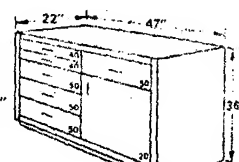
97-330



97-340



97-430



97-470

All of the above base units have a number key on their drawers and cupboard doors (see the corresponding numbers on the charts below for drawer and cupboard dimensions). These base units are supplied without work top and service shelving. To complete them, select a work top (you have a choice of four materials) from page 1207 and the matching service shelving from page 1210. Note: you can specify any of the five CONTEMPRA colors (see Color Code below) for each drawer front when ordering. Cupboard doors, however, are always supplied in slate gray.

**97-230.** This versatile unit fits easily into left-over space at the end of bench assemblies or other tight installations, providing more storage for busy rooms. It has one No. 50 drawer and one No. 20 cupboard. The cupboard has a full-size roll-out shelf that's easily removed for use as a tote tray. Shipping weight, 110 pounds.

Each, \$104.50

**97-330.** This convenient, well-balanced unit complements almost any lab assembly. It has a double No. 50 cupboard with doors that open a full 180°. Each cupboard has two adjustable half-depth shelves that are easily removed. Two No. 20 drawers supply additional storage space. Shipping weight, 155 pounds.

Each, \$149.00

**97-340.** This excellent unit supplies storage space of three types, capable of keeping several kinds of lab items. There's a large No. 30 drawer, three small No. 20 drawers, and a roomy No. 50 cupboard. The cupboard has one roll-out shelf that doubles as a tote tray. Shipping weight, 185 pounds.

Each, \$172.00

**97-430.** Two roomy No. 50 drawers and a double No. 20 cupboard make this unit suitable for storing all types of lab equipment. The cupboard has two half-depth shelves that are adjustable and easily removed. Shipping weight, 180 pounds.

Each, \$167.00

**97-470.** Here is a substantial unit that provides a generous supply of drawers (two No. 40's and four No. 50's) plus a roomy No. 20 cupboard. The cupboard has one roll-out shelf that comes out easily and doubles as a tote tray. Shipping weight, 235 pounds.

Each, \$206.50

### COLOR CODE FOR CONTEMPRA DRAWER FRONTS

Fisher will supply Slate Gray drawer fronts if no other colors are specified.

S ..... Slate Gray  
Z ..... Orange  
G ..... Green

Y ..... Yellow  
B ..... Beige

### INSIDE DRAWER DIMENSIONS

Drawer Code	Width Inches	Depth* Inches	Clearance Inches
No. 10	14-1/16	18-1/32	1-5/8
No. 20	14-1/16	18-1/32	5-1/8
No. 30	30-3/4	18-1/32	5-1/8
No. 40	20-1/16	18-1/32	1-5/8
No. 50	20-1/16	18-1/32	5-1/8
No. 60	42-3/4	18-1/32	5-1/8
No. 80	42-3/4	18-1/32	8-7/8
No. 90	8-7/8	18-1/32	5-1/8

\*Front to back of drawer.

### INSIDE CUPBOARD DIMENSIONS

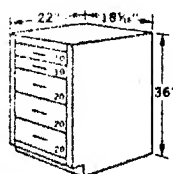
Cupboard Code	Width, Inches (Single)	Width, Inches (Double)	Depth* Inches	Height Inches
No. 10	21-1/2	44	20-3/8	27
No. 20	21-1/2	44	20-3/8	20
No. 30	21-1/2	44	20-3/8	16-1/2
No. 40	15-1/2	32	20-3/8	27
No. 50	15-1/2	32	20-3/8	20
No. 90	11	....	31	27

\*Front to back of cupboard.

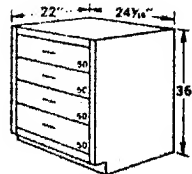


## CONTEMPRA Base Units Standing-Height, 36 Inches

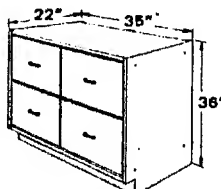
### B. All-Drawer Units



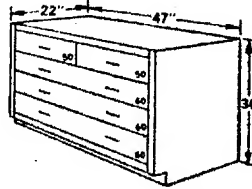
97-150



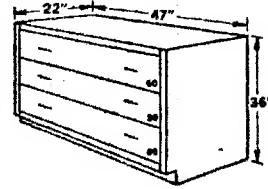
97-260



97-350



97-460



97-480

All of the base units on this page have a number key on their drawers and cupboard doors (see the corresponding numbers on the charts on the preceding page for drawer and cupboard dimensions). These base units are supplied without work top and service shelving. To complete them, select a work top (you have a choice of four materials) from page 1207 and the matching service shelving from page 1210. Note: you can specify any of the five CONTEMPRA colors (see Color Code below) for each drawer front when ordering. Cupboard doors, however, are always supplied in slate gray.

**97-150.** This narrow width (18-5/16 inches) unit helps make wall-to-wall assemblies more flexible. It has five unpartitioned drawers (two No. 10 drawers and three No. 30's) that are ideal for storing all types of lab equipment. Shipping weight, 130 pounds. Each, \$123.00

**97-260.** This versatile unit has four generous sized, unpartitioned No. 50 drawers. Choose a different CONTEMPRA color for each drawer and you will have a color coded unit that is handsome and extremely useful. It fits into almost any lab assembly. Shipping weight, 145 pounds. Each, \$131.00

**97-350.** This unit's special size drawers (inside dimensions: 14 inches wide by 18 inches front-to-back by 12 inches deep) provide excellent storage space for many medium-sized laboratory items. It's ideally suited for storing bulky linen supplies too. Shipping weight, 185 pounds. Each, \$157.50

**97-460.** Medium to large size lab items will find plenty of room in this unit. It has five unpartitioned drawers, two No. 50 drawers and three No. 60 drawers (the latter extend the entire width of the unit). The storage capability of this unit makes it a prime candidate for any lab assembly. Shipping weight, 230 pounds. Each, \$187.00

**97-480.** This unit has three high drawers which extend the entire width of the base unit (one No. 60 drawer and two No. 80's). They are ideal for storing glassware such as flasks and beakers in an upright position or very long pipets and burets. Shipping weight, 200 pounds. Each, \$173.00

### COLOR CODE FOR CONTEMPRA DRAWER FRONTS

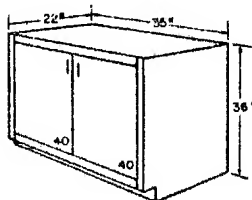
Fisher will supply Slate Gray drawer fronts if no other colors are specified.

S.....	Slate Gray	Y.....	Yellow
Z.....	Orange	B.....	Beige
G.....	Green		

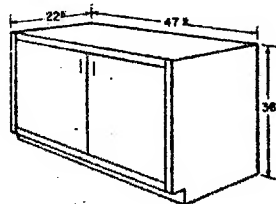
### C. Cupboard Units

**97-320.** The doors on this double No. 40 cupboard can be opened 180°, giving access to the complete interior. Every square inch of space is usable; there are no posts or supports to interfere. Two half depth shelves (wide as the cabinet) are easily adjusted in height and just as easily removed. Shipping weight, 115 pounds.

Each, \$121.00



97-320



97-420

**97-420.** This double No. 10 cupboard provides the largest unobstructed storage space of any CONTEMPRA base unit. The cupboard area has no bothersome posts and the doors open a full 180° to allow complete access. Two half-depth shelves are easily adjusted in height and just as easily removed. Shipping weight, 160 pounds.

Each, \$135.00

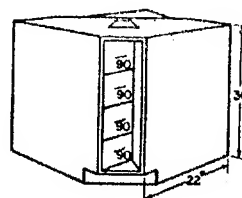
INDEX



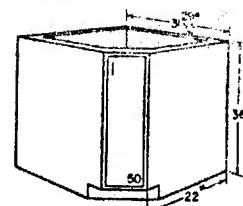
## CONTEMPRA Base Units Standing-Height, 36 Inches

### D. Corner Units

In most laboratories, corners become wasted space or, at most remain inefficiently used. The designers of Fisher CONTEMPRA furniture have developed three solutions to this problem: 1. the *Revolva-Drawer™* (a unique hexagonal unit offering eight drawers for storage), 2. the standard corner unit (a spacious hexagonal cupboard base unit), and 3. a *Square Corner Assembly* (simply a square corner apron that fits between adjoining base units; it has no storage space). The base units here have a number key on their drawers and cupboard doors (see the corresponding numbers on the charts on page 1192 for drawer and cupboard dimensions). These base units are supplied without work top and service shelving. To complete them, select a work top (you have a choice of four materials) from page 1207 and the matching service shelving from page 1210.



97-760



97-790

**97-760.** This *Revolva-Drawer* unit provides a double tier of storage drawers for small to medium sized articles. The two tiers of four No. 90 drawers each are mounted side-by-side on a swiveling panel. When the panel is turned, one set of drawers swings into place in the open front of the cabinet. By releasing the locking mechanism and pushing on the drawers like a revolving door, you bring the other tier to the front. One tier of drawers comes in orange; the other one is slate gray. (This base unit requires a *Style L Tilt-In* work top and the special No. 91-387 *Corner Service Shelf*.) Shipping weight, 235 pounds.

Each, \$215.00

**97-790.** Similar to the *Revolva-Drawer* this base unit has a roomy No. 90 cupboard big enough for large apparatus or reagent bottles. The unit requires a *Style L Tilt-In* work top and the special No. 91-387 *corner service shelf*. The cupboard door is supplied slate gray. Shipping weight, 125 pounds.

Each, \$115.50

**Square Corner Assembly.** This economical assembly is ideal for crowded corners. The L-shaped assembly uses a corner apron instead of a corner base cabinet and thus saves 8 inches of space on each wall.

The No. 97-690 *Corner Apron* is a strong frame 24-3/8-inch square, which is bolted to the adjoining base units. It supports a square work top and a special service ledge or service shelf. The space in front, where the two lines of furniture meet, is neatly closed by a special filler panel supplied with the assembly. The space under the work top is not used. Two complete assemblies (each with a choice of two work tops) are available.

#### Square Corner Assemblies

For 24 inch deep base units

**97-690.** *Corner Apron* (with front filler panel) \$ 42.00  
plus *Style B* work top, see page 1208

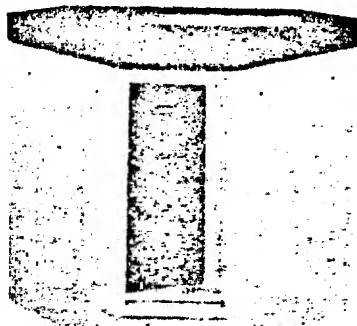
with **91-389** *Service Shelf*, 8 inches high \$ 40.50

For 29 inch deep base units

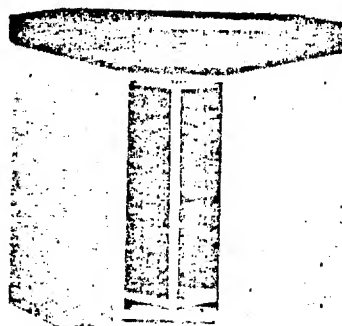
**97-690.** *Corner Apron* (with front filler panel) \$ 42.00  
plus *Style A* work top, see page 1208

with **91-389-3** *Service Ledge*, 3 inches high \$ 40.50

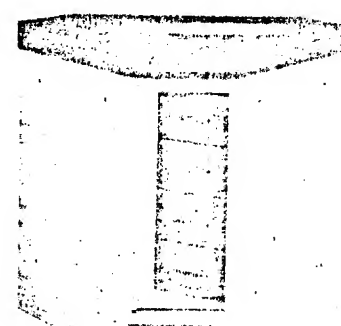
97-760 *Revolva-Drawer*



The left-hand tier of drawers in use



Swing the *Revolva-Drawer*

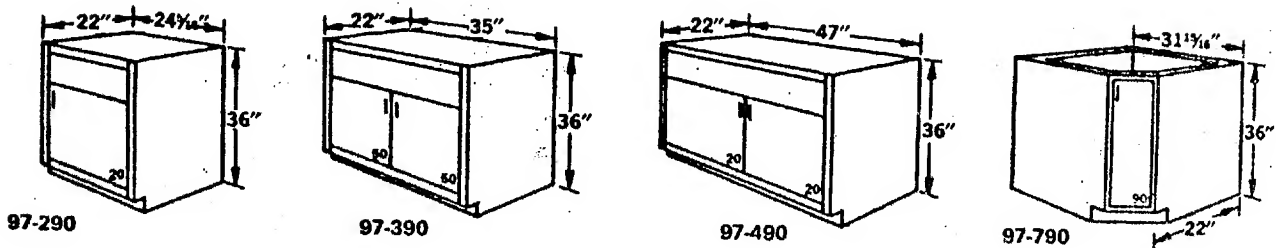


and the right-hand drawers appear





## CONTEMPRA Sink Base Units



**97-290. SINK BASE UNIT, 24 Inches Wide.** This versatile unit will fit into almost any lab assembly. It has a useful single No. 20 cupboard (21-1/2 inches wide, 20-3/8 inches deep, 20 inches high) for convenient storage. The base unit itself is supplied shell white and the cupboard door is slate gray. The sink panel above the cupboard door is available in any of the handsome CONTEMPRA colors (see color key on next page).

Note: the sink base unit is supplied without work top, basin, service shelving, and plumbing fixtures. To complete the sink unit choose a Duratek or Tech-Top work top, Style S or T with centered sink basin cut-out (see chart on page 1208). Then match the work top with the proper service shelving. Regardless of what work top material is chosen a No. 91-505D Duratek sink basin (16 inches wide, 12 inches front-to-back, and 8 inches high) is required. The following plumbing fixtures (order separately) will complete the unit: No. 91-402 Double Faucet (hot and cold water valves), No. 91-510 Glass Trap (Pyrex), No. 91-511 Overflow (Pyrex) beehive-type, and No. 91-509 Sink Hangers. Shipping weight (base unit only) is 95 pounds.

Each, \$89.00

**97-390. SINK BASE UNIT, 36 Inches Wide.** This sink unit can be used in almost any lab assembly and has a roomy No. 50 double cupboard for convenient storage. (Cupboard inside dimensions: 32 inches wide, 20-3/8 inches deep, 20 inches high.) The base unit itself is supplied shell white and the cupboard door is slate gray. The sink panel above the cupboard door is available in any of the handsome CONTEMPRA colors (see color key on next page).

Note: the sink base unit is supplied without work top, basin, service shelving, and plumbing fixtures. To complete it, choose a Duratek or Tech-Top work top, Style S or T with centered sink basin cut-out (see chart on page 1208). Regardless of what work top material is selected a No. 91-500D Duratek sink basin (24 inches wide, 16 inches front-to-back, 8 inches high) is required. The same plumbing fixtures that complete No. 97-290 will complete the sink unit. Shipping weight for base unit only, 125 pounds.

Each, \$118.00

**97-490. SINK BASE UNIT, 47 Inches Wide.** This large sink unit is a useful component for any lab assembly. It has an unobstructed No. 20 double cupboard (doors open 180°) for convenient storage. The base unit itself is supplied shell white and the cupboard door is slate gray. The sink panel above the cupboard door is available in any one of the handsome CONTEMPRA colors (see color key on next page).

Note: the sink base unit is supplied without work top, basin, service shelving, and plumbing fixtures. To complete this sink unit, choose a Duratek or Tech-Top work top, Style S or T with offset sink basin cut-out (see chart on page 1208).

The No. 97-490 base unit also accommodates a 55 inch wide work top (either No. 97-59C-D, or No. 97-59C-T or 97-59C-L) for an island assembly. These work tops are used without backsplash.

Regardless of what work top material is selected a No. 91-500D Duratek sink basin (24 inches wide, 16 inches front-to-back, 8 inches high) is required. The same plumbing fixtures that complete No. 97-290 will complete this sink unit. Shipping weight for base unit only is, 145 pounds.

Each, \$125.00

**97-790. CORNER SINK BASE UNIT.** This unit provides an ideal way to make any corner assembly highly useful—as a sink and as a convenient storage area. The unit is supplied with a basic shell white cabinet and a slate gray cupboard door. The single No. 50 cupboard has inside dimensions of: 15-1/2 inches wide, 20-3/8 inches deep, 20 inches high.

Note: the sink unit is supplied without work top, service shelving, and plumbing fixtures. To complete the sink unit choose a work top, either 97-70M-D or 97-70M-T with sink basin cut-out (16 inches wide by 8 inches deep by 12 inches front-to-back), and the matching special corner service shelf, No. 91-387. The same plumbing fixtures that complete No. 97-290 will complete this sink unit. Shipping weight for base unit only is, 125 pounds.

Each, \$117.00



## CONTEMPRA Versa-Table Units

Adaptability is the outstanding feature of CONTEMPRA Versa-Tables. They function as tables and also as base units. As a result, they have many useful and varied applications in both new and existing laboratories.

The seven efficient Versa-Table units come in widths ranging from 24-5/16 inches to 60 inches and in styles with one drawer, two drawers, and no drawers. There's even an adjustable Versa-Table that fits any odd space between 24-5/16 inches and 36 inches wide—it expands and contracts in 1/16 inch steps.

Versa-Tables transform wasted or unused space into valuable work space. In addition, they are just as stylish as CONTEMPRA base units. You have the option to choose from five CONTEMPRA colors of Versa-Table drawer fronts.

Versa-Table units can be used in several ways:

1. bolted between two base units,
2. bolted to one base unit and supported on the other end by legs, or
3. and 4. supported completely by legs.

The flexibility, however, does not stop here. Versa-Table units—whether bolted onto cabinets or set up on legs—can be installed at either a 30 inch sitting height or a 36 inch standing height. (The sitting height is ideal for personnel using microscopes and other instruments that are normally operated while in a sitting position.) Either way, Versa-Tables help to eliminate fatigue by supplying ample leg room when sitting and offering an ideal working height for standing activities.

With seven Versa-Tables to choose from, these units provide enough flexibility to meet any space, height, or storage requirement. They readily adapt to the changing needs of your laboratory. Even previously installed units can be easily dismantled and rearranged to meet new lab requirements.

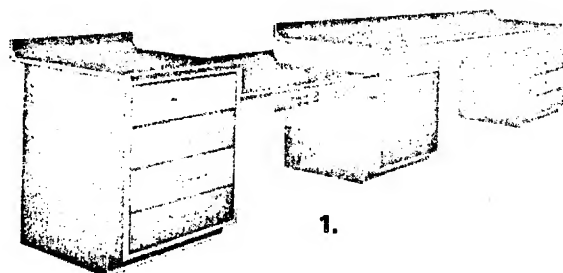
Versa-Table units are supplied without work tops. These can be selected according to the resistance required by your particular laboratory work. (Several work top materials are available; see work top section on pages 1207 through 1209.) All work tops have the exclusive Fisher "Tilt-In" design which saves time and money during installation.

There are "Tilt-In" work tops for Versa-Tables in styles for wall assemblies, and for island or peninsula assemblies. The latter offers a further option of a central service shelf or no service shelf for an unhampered, flat work surface.

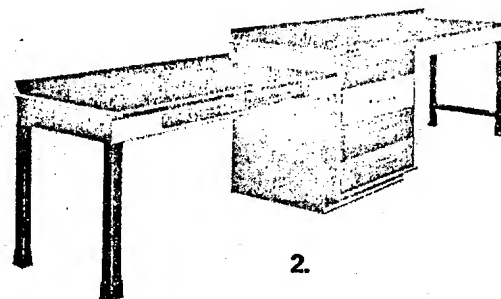
Note: A handy File Drawer (No. 90-180, described on page 1195) is an ideal accessory for the Versa-Table. It's a fine under-the-bench file drawer and desk combined. Just another fine example of how CONTEMPRA furniture units complement each other and expand their versatility.

In addition to the Versa-Tables themselves, any of the CONTEMPRA "Tilt-In" work tops can be suspended between two base units like a Versa-Table, supported by a pair of No. 97-610 Right-Angle Brackets. They cannot be used at the end of an assembly or as open tables, since there is no way to attach the Versa-Table legs.

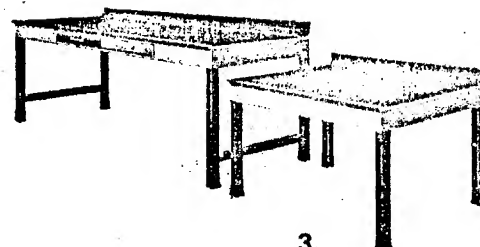
Work tops used in this way make it easy to fill odd-sized spaces in an assembly. When planning for this type of installation, remember that Restek work tops can be cut to any desired length with ordinary wood working tools. Duratek and Tech-Top work tops require carbide-edged tools.



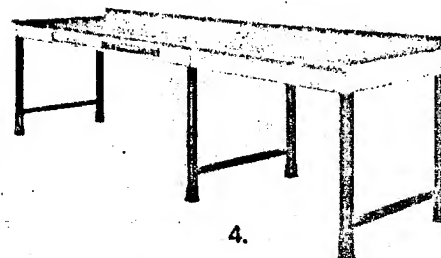
1.



2.



3.



4.

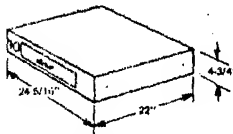




CONTEMPRA Furniture

## Versa-Table Units

Versa-Tables with drawers display a number key on these drawers (see the corresponding numbers on the chart below for drawer dimensions). Versa-Tables are supplied without work tops and service shelving and must be mounted on either legs or base units (your option). To complete them, select a work top (you have a choice of four materials) from page 1207 and the matching service shelving from page 1210. For information on legs and mounting brackets see page 1200, for base units see pages 1192-1195. Note: you can specify any of five CONTEMPRA colors (see Color Code below) for each drawer front when ordering.

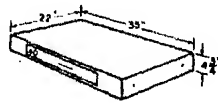


97-620

## One Drawer

97-620. A versatile and narrow unit just right for use as an individual work station. It has one No. 10 drawer for convenient storage. Shipping weight: 40 pounds.

Each, \$39.25

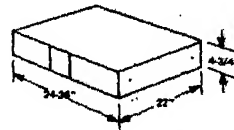


97-630

## One Drawer

97-630. An excellent unit for use as an individual work station. It has one No. 40 drawer that supplies good storage space. It's an ideal unit to combine with two under bench files. Shipping weight: 50 pounds.

Each, \$60.25

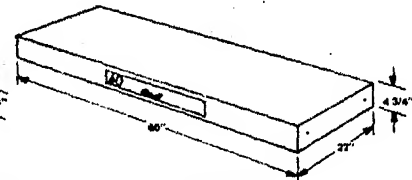


97-635

## Adjustable Bench

97-635. This versatile unit makes possible a neat wall-to-wall installation of CONTEMPRA case work almost regardless of space available. It's adjustable from 23 inches to 36 inches in 1/16 inch steps. Now you can customize any lab installation with this standard unit. It has no drawers. Shipping weight: 26 pounds.

Each, \$39.25

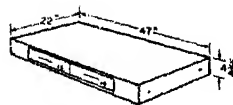


97-655

## One Drawer

97-655. Excellent for use as an in-lab desk. This roomy Versa-Table has one No. 40 drawer for convenient storage. Shipping weight: 55 pounds.

Each, \$73.50

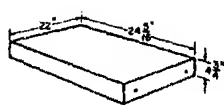


97-640

## Two Drawer

97-640. The two No. 10 drawers and 47 inch width of this Versa-Table make it ideal for use as a desk. Simply support it with legs and one No. 90-180 Under Bench File, for example, and you are ready to write reports, etc. Shipping weight: 65 pounds.

Each, \$81.00

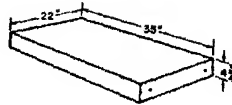


97-650

## Open Bench

97-650. This simple unit offers a practical way to fill leftover or unused space in the laboratory. It has adequate work top space, leg room to spare, and simply provides a refreshing break in solid assemblies. It has no drawers. Shipping weight: 25 pounds.

Each, \$29.00



97-660

## Open Bench

97-660. Identical to No. 97-650 but wider. As a result, this unit invites use of under bench files to make a fine laboratory desk work area, complete with filing and storage capability. Shipping weight: 35 pounds.

Each, \$29.00

## INSIDE DRAWER DIMENSIONS

Drawer Code	Width Inches	Depth* Inches	Clearance Inches
No. 10	14-1/16	18-1/32	1-5/8
No. 20	14-1/16	18-1/32	5-1/8
No. 30	30-3/4	18-1/32	5-1/8
No. 40	20-1/16	18-1/32	1-5/8

\*Front to back of drawer.

COLOR CODE  
FOR CONTEMPRA DRAWER FRONTS

Fisher will supply Slate Gray drawer fronts if no other colors are specified.

S ..... Slate Gray      Y ..... Yellow  
Z ..... Orange      B ..... Beige  
G ..... Green



CONTEMPRA Furniture

## Laboratory Refrigerators and Freezers

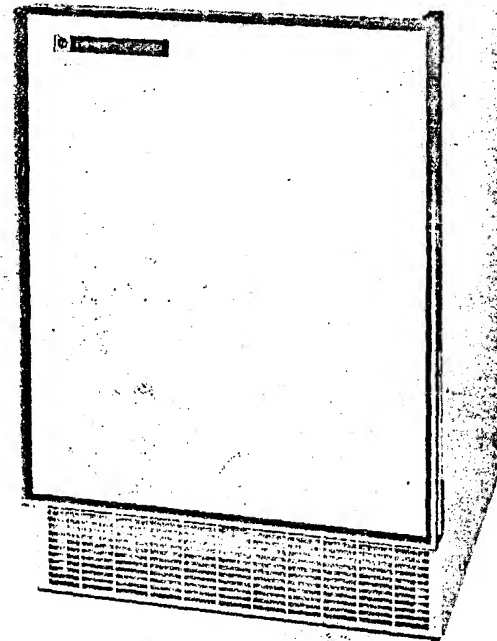
**FREEZER AND REFRIGERATOR UNITS** are all 34-1/2 inches high, so that addition of a Tilt-In work top and a section of service shelving will complete it as a base unit that will fit directly into any furniture line-up. A pair of No. 97-610 Right-Angle Brackets must be used to support the top between the two adjacent base cabinets.

The refrigerator doors are hung so that they will not interfere with the drawers or cupboards on either side when they are opened. They can be mounted to open from the left or right, as desired. Magnetic latches make it easy to open and close the doors with one hand.

The interior of a Fisher refrigerator is a vacuum-formed one-piece high-impact polystyrene shell with no recesses to trap spilled materials. It is stain-proof, chip-proof and corrosion-proof, and easy to clean if anything is spilled. The refrigerator body is the same heavy-duty steel used in the CONTEMPRA base units, finished in baked white enamel. Heavy insulation between the inner and outer casings makes it possible for the interior to be brought down to 35°F (the normal operating temperature) in about half an hour after the refrigerator is turned on.

The sealed compressor, which is covered by a five-year warranty, is in a compartment in the base of the cabinet, with its air intake and exhaust through a front grille. A single control knob on the front of the cabinet regulates the compressor cycle to produce the desired degree of refrigeration. The working temperature for most models is 35° to 40°F, but the compressor control can be adjusted to maintain temperatures as low as 17.6°F.

The floor of the refrigeration compartment serves as a permanent shelf. The front is a glass-covered storage tray which can be removed to get extra space for large bottles. The other shelves are zinc-plated steel, providing ample circulation of air through the chamber.



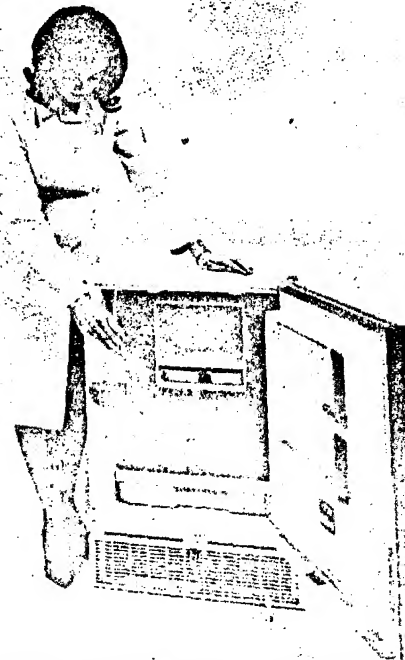
**97-910.** Any of the six refrigerators will fit neatly under the 36-inch-high CONTEMPRA work tops.

**97-910. LABORATORY REFRIGERATOR, Standard Model, Fisher.** This refrigerator has a capacity of 4 cubic feet on two permanent shelves plus a freezing compartment. The door liner has space for some additional storage. The normal operating range is 35 to 40°F, but the compressor control can be adjusted to maintain temperatures as low as 17.6°F. Exterior dimensions of the refrigerator: 23 inches wide by 32-1/2 inches high by 21-7/8 inches deep (front-to-back) including the door. Inside, it is 19-1/8 inches wide by 24-9/16 inches high by 18-1/16 inches deep. Shipping weight, 113 pounds. Operates on 115 volt a-c, 50-60 Hz.

Each, \$225.00

**97-920. LABORATORY REFRIGERATOR, Self-Defrosting Model, Fisher.** The capacity of this model is 4.5 cubic feet (2 shelves), but it has no freezing compartment. Small bottles can be stored in the door liner. Condensed moisture is automatically dissipated during the off phase of each cycle. Normal working temperature range is 35 to 40°F, but temperatures down to 17.6°F can be maintained by adjusting the compressor control. The interior of the refrigerator is 19-1/8 inches wide by 24-9/16 inches high by 18-1/16 inches deep (front-to-back). The exterior dimensions: 23 inches wide by 32-1/2 inches high by 21-7/8 inches deep, including the door. Shipping weight, 113 pounds. Operates on 115 volt a-c, 50-60 Hz.

Each, \$225.00



The No. 97-910 Refrigerator has both freezing and storage space.



## CONTEMPRA Storage Cases

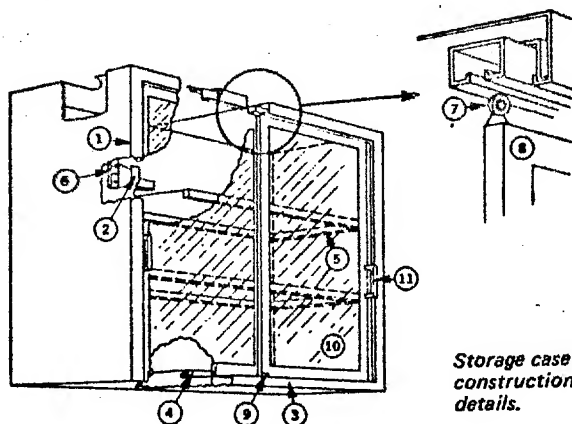
Under the Counter

On the Wall

Against the Wall

**CONVENIENT STORAGE** for books, reagents and small apparatus can be provided in any assembly by including these storage cases with adjustable shelves, available with or without sliding doors of glass, chalkboard or tackboard. They are used as wall-mounted cases as they are or as under counter cases with the addition of a pedestal. The cases are finished in the same shell white as other CONTEMPRA base units. Sturdy, rugged construction makes them as durable as all CONTEMPRA units:

1. The case top and front horizontal rail are a single piece.
2. The ends are reinforced by the same strong uprights used in the CONTEMPRA base cabinets.
3. All units have a smoothly finished case bottom. There is no door track to hamper cleaning.
4. The interior case bottom is removable for easy cleaning.
5. All cases have two adjustable shelves.
6. The shelves are adjustable in 1-1/4-inch steps.
7. The sliding doors are suspended with nylon rollers on an extruded aluminum track. The rollers cannot jump the track and jam, yet the doors can readily be removed and replaced.
8. Narrow (1-1/4-inch) extruded aluminum door frames give an unobstructed view of the entire contents of the case.
9. A center nylon guide holds the lower edge of the sliding doors in place. There is no lower track to catch dirt.
10. Door panels (optional) double-strength glass, tackboard or chalkboard, are set in extruded rubber gasketing.
11. Door pulls are black anodized aluminum.



Storage case construction details.

**CONTEMPRA WALL CASES** are the same as the under-counter storage cases, except they have no pedestal bases. They are available as open shelf units without doors, and with various combinations of glass, chalkboard and tackboard sliding door panels. Toggle bolts or lead masonry plugs are used to secure the cases to the laboratory wall above the service shelving. Each storage case is supplied with two adjustable shelves.

**91-831. WALL CASE, 35 Inches Wide, Open Shelves, Fisher CONTEMPRA.** This case has no door panel for easy access to reagents and books stored on its two adjustable shelves, each 34-3/4 inches wide by 9-5/8 inches deep. The height of the case is 30-3/4 inches; depth, 12 inches. For doors, see chart below. Shipping weight, 70 pounds.

Each, \$72.00

**91-803. SHELF,** for use with No. 91-831 storage case (34-3/4 inches wide, 9-5/8 inches deep).

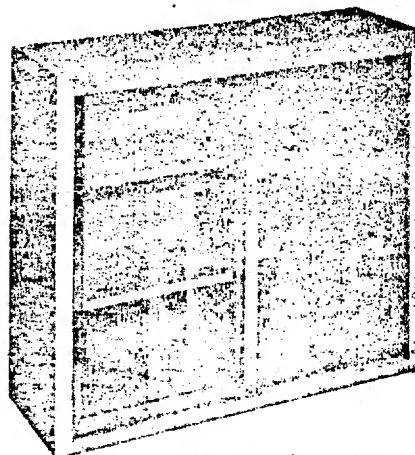
Each, \$4.00

**91-841. WALL CASE, 47 Inches Wide, Open Shelves, Fisher CONTEMPRA.** This case is a roomy 47 inches wide, with two shelves 46-3/4 inches wide by 9-5/8 inches deep. There are no doors. The height of the case is 30-3/4 inches; depth, 12 inches. For doors, see chart below. Shipping weight, 90 pounds.

Each, \$85.50

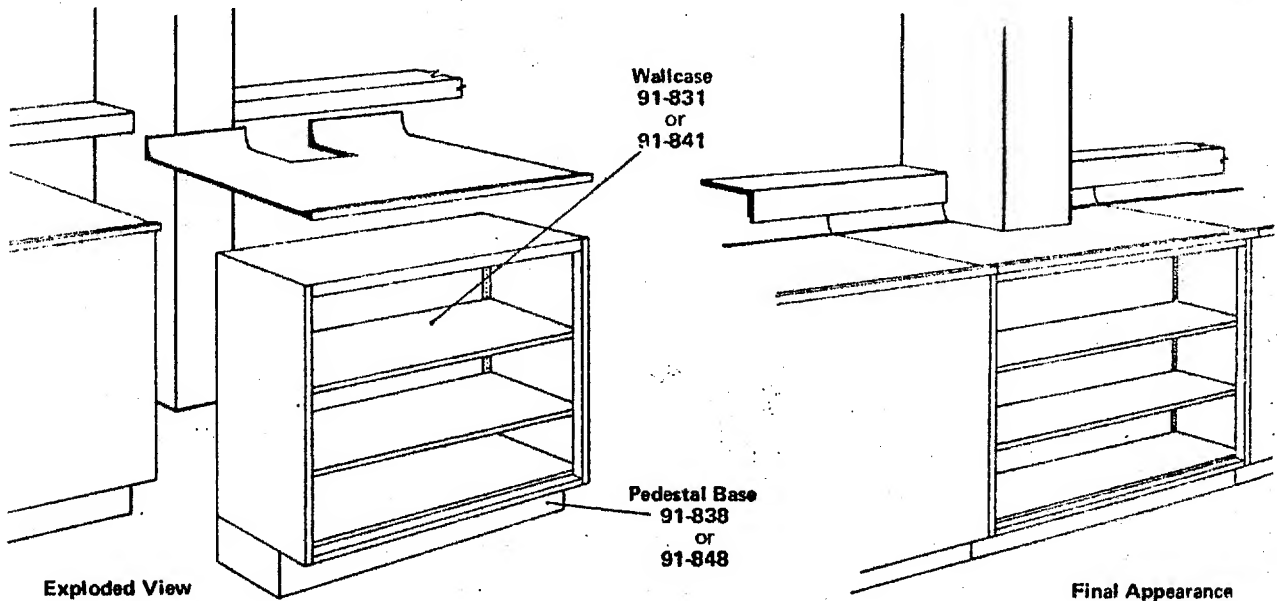
**91-804. SHELF,** for use with No. 91-841 Storage Case (46-3/4 inches wide, 9-5/8 inches deep).

Each, \$5.00



91-831 Wall Case with 91-816 Glass/Chalkboard doors (See next page for additional door materials.)

CONTEMPRA Furniture



## Doors for Storage Cases

If it ever becomes necessary to add sliding doors to open shelf storage cases or change present doors, you can do it with little effort. A wide variety of door materials are available for installation on all storage cases. Note: all doors listed in the chart below are available complete with lock (\$5.00 additional cost). Just add an "L" to the door catalog number when ordering, for example, 91-812 becomes 91-812L.

**CONTEMPRA wall cases easily convert into under-counter cases to handle wall obstructions.**

Doors for use with No. 91-831 Storage Case (35 inches wide, 30-3/4 inches high).

Catalog No.	Door Materials (Left/Right)	Price/Pair
91-811	Metal/Metal (Shell White)	\$48.00
91-812	Glass/Glass	\$36.25
91-815	Glass/Chalkboard	\$50.25
91-816	Tackboard/Glass	\$42.00
91-813	Chalkboard/Chalkboard	\$59.75
91-817	Tackboard/Chalkboard	\$54.00
91-814	Tackboard/Tackboard	\$50.25

Doors for use with No. 91-841 Storage Case (47 inches wide, 30-3/4 inches high).

Catalog No.	Door Materials (Left/Right)	Price/Pair
91-821	Metal/Metal (Shell White)	\$54.00
91-822	Glass/Glass	\$41.00
91-825	Glass/Chalkboard	\$56.75
91-826	Tackboard/Glass	\$47.75
91-823	Chalkboard/Chalkboard	\$72.50
91-827	Tackboard/Chalkboard	\$63.50
91-824	Tackboard/Tackboard	\$54.50

## Under Counter Storage Cases

CONTEMPRA storage cases are ideal for use in a laboratory assembly where an obstruction or irregularity (up to 17 inches) prohibits use of a full depth base unit. They are only 12 inches deep (10 inches less than the regular base units); they stand 36 inches high, including the 5 inch pedestal. The Under-Counter Cases are made up of a CONTEMPRA Wall Case (35 inches or 47 inches wide) and the matching pedestal plus doors if desired (see example below).

**91-838. PEDESTAL**, 35 inches wide used to convert a No. 91-831 CONTEMPRA Wall Case into an Under-Counter Storage Case. The pedestal raises the case 5 inches providing continuous toe space and making the case a total 36 inches high. The pedestal also permits easy floor cleaning without endangering the case contents. The unit is supplied with two adjustable shelves.

To complete the pedestal, order a No. 91-831 Wall Case and, if you wish, choose a pair of doors from the chart on the next page.

Each, \$20.25

**91-848. PEDESTAL**, 47 inches wide, used in the same manner as No. 91-838 except it converts No. 91-841 case (47 inches wide) to an Under-Counter Case. To complete the pedestal, order a No. 91-841 storage case and, if you wish, choose doors from the next page. The unit is supplied with two adjustable shelves.

Each, \$22.00



CONTEMPRA Furniture

## CONTEMPRA "Tilt-In" Work Tops

All laboratory furniture bench tops endure a variety of mechanical abuses, corrosive chemicals, abrasions, stains, dyes, and thermal shocks every working day. Different types of laboratories, however, encounter different types and degrees of such abuse. Hence, a lab's work top material should be tailored to the lab's specific needs. This is an important consideration from the standpoint of everyday performance and from the standpoint of economy.

Fisher helps make this matter of work top selection as simple and uncomplicated as possible by offering a choice of four work top materials. They are specifically designed to have the resistance rating and price for either the high abuse laboratory, moderate abuse lab, or light environment lab.

The four CONTEMPRA work top materials are: Duratek and CORNING™ Labtop—for high abuse labs; Tech-Top—for moderate abuse labs; and Restek—for light environment labs. All of these work tops are designed to complement the unique Fisher CONTEMPRA line of furniture in sturdy construction, contemporary styling and handsome appearance.

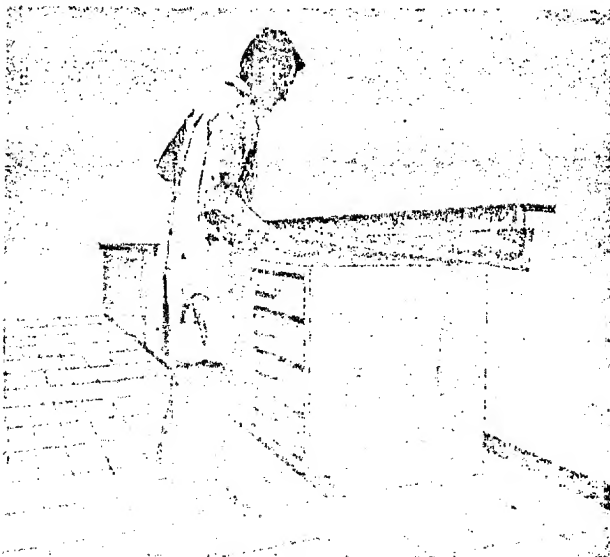
In addition, CONTEMPRA work tops are versatile. There are five different work top styles for wall, island, and peninsula assemblies, and square corner and hexagonal corner arrangements. CONTEMPRA work tops are available in different dimensions, with or without backsplash, and with or without cupsink and sink cutouts.

Moreover, CONTEMPRA work tops feature an anti-drip design that helps control spilled liquids. This feature eliminates the possibility of liquids damaging drawer contents and minimizes time consuming clean-up.

CONTEMPRA work top versatility is matched in importance only by its emphasis on fast installation. CONTEMPRA work tops are designed to cut down on labor time and hence keep installation cost as low as possible.

When the service shelving and service lines have been installed and the base units set up and leveled, the installer simply "tilts-in" the work top until the backsplash can be hooked under the front panel of the service shelf. Next, he lowers the shelf into place, as shown below. Right from the start the work top is automatically aligned with work tops on both sides.

**CONTEMPRA "Tilt-In" work tops save installation time.**



Thanks to this design, the service shelving and base units can be permanently leveled when they are installed. Hence, they do not have to be separately releveled after the tops are put on, as is generally necessary with old style laboratory furniture.

Spline grooves in the edges of the Duratek tops are used to align the work surfaces of adjacent base units. When all the bases and tops are in place, steel splines are driven into the channels formed by the adjoining grooves. This locks the tops together in one smooth, unbroken surface running the full length of the assembly. Work tops without spline grooves utilize a cement to smooth the joints.

Descriptions of all four CONTEMPRA work top materials follow. A comprehensive chart with work top prices, styles, sizes, etc. appears on the next page.

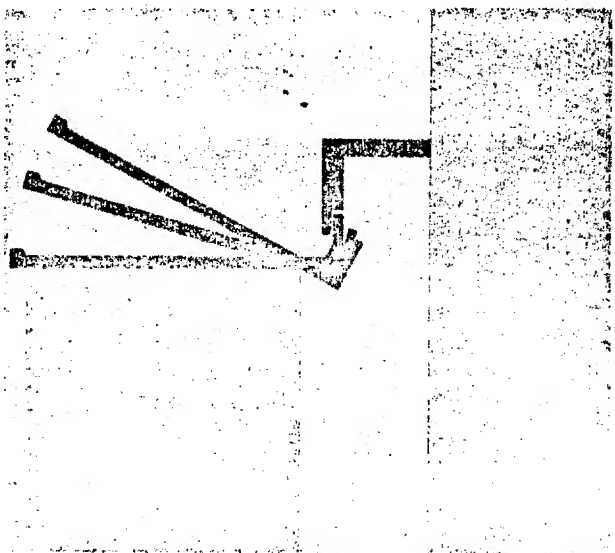
### DURATEK™

A Duratek top is a solid casting of epoxy resin, specially formulated to provide a combination of unusual chemical resistance and outstanding mechanical strength, and cured and toughened by a high-temperature bake. (It's recommended for use in labs where heavy physical abuse is expected and high chemical resistance is necessary.) Duratek is insoluble, infusible, self-extinguishing, and completely resistant to heat and attack by high concentrations of most reagents.

Since every Duratek top is one solid unit, it is chemical-resistant all the way through.

Thanks to Duratek's silicious filler, it has excellent resistance to abrasion. Note: Duratek has a coved backsplash, hence there are no seams or crevices to trap liquids.

*(continued on next page)*



## CONTEMPRA Furniture



## LABTOP

Labtop is a premium quality glass-ceramic work top that has unparalleled resistance to chemical damage—nothing will discolor it or change its beautiful appearance. It has extraordinary resistance to all chemicals, corrosives, and stains, with the single exception of hydrofluoric acid which causes a slight etching. It's virtually torture proof.

This outstanding glass ceramic material is a perfect blend of brawn and beauty. It has the greatest strength to weight ratio of any work top material; has excellent chemical, heat, impact, and abrasion resistance; and freedom from bubbles and striations. It's built to withstand extremely tough treatment and yet has a beautiful matte white glare-resistant finish that will enhance the appearance of any laboratory.

## TECH-TOP™

Tech-Top is an economical work top material that's particularly suited to the discerning lab director who wants a medium-priced table top material without sacrificing good chemical and wear resistance. This work top is designed for use in biology, entomology, and other life science laboratories or in any lab where the use of concentrated acids is not expected.

Tech-Top is formulated under pressure from an inorganic asbestos cement and is then coated with a black epoxy resin (noted for excellent resistance to practically all acids, alkalis, and solvents) to form a non-porous surface. Hence, its chemical and stain resistance is noteworthy.

In addition, Tech-Top is abrasion resistant and will not

## CONTEMPRA Work Tops

Unit Style	Catalog No.*	Backsplash	Width	Dimensions Depth
Wall Units with size and sink options	97-10A.*	yes	18-5/16"	29"
	97-20A.*	yes	24-5/16"	29"
	97-30A.*	yes	35"	29"
	97-40A.*	yes	47"	29"
	97-30R.*	yes	35"	29"
	97-40R.*	yes	47"	29"
	97-20S.*	yes	24-5/16"	29"
	97-30S.*	yes	35"	29"
	97-40S.*	yes	47"	29"
	97-70A.*	yes	30-5/16"	29"
(Square Corner Top)	97-70J.*	yes	29"	29"
(Hexagonal Corner Tops)	97-70K.*	yes	29"	29"
Wall or Island Units with size and sink options	97-10B.*	yes	18-5/16"	24"
	97-20B.*	yes	24-5/16"	24"
	97-30B.*	yes	35"	24"
	97-40B.*	yes	47"	24"
	97-20T.*	yes	24-5/16"	24"
	97-30T.*	yes	35"	24"
	97-40F.*	yes	47"	24"
	97-70B.*	yes	25-5/16"	24"
	97-70L.*	yes	24"	24"
	97-70M.*	yes	24"	24"
Island Units with size and sink options	97-10C.*	no	18-5/16"	24"
	97-20C.*	no	24-5/16"	24"
	97-30C.*	no	35"	24"
	97-40C.*	no	47"	24"
	97-10D.*	no	18-5/16"	31"
	97-20D.*	no	24-5/16"	31"
	97-30D.*	no	35"	31"
	97-40D.*	no	47"	31"
	97-50U.*	no	55"	23"
(End or Island Unit)				

\*Work top catalog numbers utilize a letter symbol on the end to indicate a specific work top material: L for Labtop, D for Duratek, T for Tech-Top, and R for Restek. Please use the right letter to complete the catalog no. when ordering.





CONTEMPRA Furniture

vield to the ordinary day to day physical abuses of dropped  
camps or appliances. It resists thermal shocks very well.

bubbling and lifting which create a problem with some  
laminated materials.

**RESTEK™**

Restek tops meet the need for a durable, low-cost work  
surface in the many university and hospital laboratories where  
high chemical resistance is not of major importance.

A Restek work top has a melamine resin surface layer,  
backed by a sheet of moisture-resistant polymer and perma-  
nently laminated to a 3/4 inch flakeboard core. Surface and  
core are bonded by a hot-press method that eliminates the

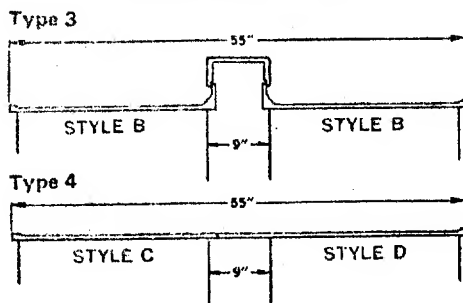
Restek is not as resistant to chemicals as Duratek or  
Labtop, although spilled reagents will do no damage if they are  
promptly diluted and cleaned up. The melamine surface layer  
is resistant to moisture and staining, and the backing sheet  
effectively waterproofs the flakeboard core, so there is no  
danger of warping if water is spilled on the bench top and  
allowed to stand.

Restek tops have good load-bearing properties and can  
withstand moderate physical punishment. They are not  
damaged by moderate temperatures, but cannot withstand high  
temperatures as Duratek can.

Options	Work Top Prices			
	Duratek (D*)	Labtop (L*)	Tech-Top (T*)	Restek (R*)
	\$ 52.50	\$ 56.75	\$ 29.50	\$ 21.00
	\$ 65.75	\$ 78.00	\$ 39.00	\$ 27.50
	\$ 94.50	\$102.00	\$ 53.50	\$ 41.00
	\$125.75	\$138.00	\$ 73.25	\$ 54.00
w/cupsink cutout	\$103.95	\$117.00	\$ 59.25	\$ 47.00
w/cupsink cutout	\$150.75	\$162.00	\$ 79.00	\$ 61.00
w/sink cutout	\$ 86.50	\$ 93.00	\$ 46.50	\$ 37.50
w/sink cutout	\$113.50	\$119.00	\$ 61.25	\$ 51.00
w/sink cutout	\$131.50	\$157.00	\$ 80.75	\$ 64.00
	\$315.00	\$130.00	\$ 65.00	\$ 51.00
w/sink cutout	Price on Application	\$299.00	\$ 80.00	\$125.50
	Price on Application	\$315.00	\$ 89.00	\$135.50
	\$ 47.25	\$ 51.00	\$ 24.75	\$ 19.25
	\$ 57.75	\$ 63.00	\$ 33.00	\$ 25.25
	\$ 87.25	\$ 91.75	\$ 46.50	\$ 37.25
	\$115.50	\$122.00	\$ 62.00	\$ 49.25
w/sink cutout	\$ 71.00	\$ 78.75	\$ 40.50	\$ 35.25
w/sink cutout	\$ 89.75	\$110.00	\$ 53.75	\$ 47.25
w/sink cutout	\$125.00	\$142.00	\$ 69.25	\$ 59.25
	\$294.00	\$ 93.00	\$ 60.00	\$ 47.00
w/sink cutout	\$168.00	\$181.00	\$ 64.75	\$105.50
	\$175.00	\$199.00	\$ 68.75	\$115.50
	\$ 37.25	\$ 41.00	\$ 21.50	\$ 17.50
	\$ 49.00	\$ 51.50	\$ 28.50	\$ 22.75
	\$ 75.50	\$ 79.25	\$ 40.25	\$ 34.25
	\$ 99.75	\$104.00	\$ 53.25	\$ 45.50
	\$ 42.00	\$ 47.50	\$ 27.50	\$ 22.25
	\$ 60.00	\$ 68.00	\$ 36.50	\$ 27.45
	\$ 87.00	\$ 96.00	\$ 51.25	\$ 41.25
	\$108.00	\$117.00	\$ 68.75	\$ 55.50
w/sink cutout	\$141.00	\$148.00	\$ 69.25	\$ 57.00



## ISLAND ASSEMBLIES



5. **Styles J and L Hexagonal Corner Tops and Corner Service Shelving.** The Style J top, 29 inches deep, is used with a 3-inch corner ledge and Style L, 24-inches deep, with an 8-inch corner shelf. These combinations can be used with both the Revolve-Drawer and the conventional corner cupboard unit. Three No. 91-398 Mounting Clamps are supplied with each corner ledge and three No. 91-399 Right Angle Brackets are supplied with each corner shelf.

The Square Corner Assembly is ideal for crowded corners. It utilizes a corner apron instead of a corner base cabinet and thus saves 8 inches of space on each wall.

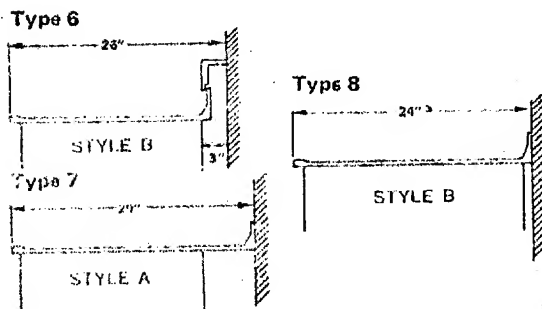
## Special Combinations

6. When space is limited and an extra-shallow assembly is necessary, a Style B top and a 3-inch service ledge can be combined as shown, giving an assembly only 26 inches deep from front to wall.

7. If a little more space is available, a Style A work top can be placed directly against the wall, without a service shelf. This provides a clear work area 29 inches deep if fixtures are not required, somewhat less if fixtures are deck-mounted at the back of the work area. Restek tops can be cut with ordinary tools. Duratek and Tech-Top require tools with silicon carbide edges.

8. If space is extremely limited and fixtures can be omitted or brought through the wall behind the assembly, a Style B (24-inch) work top can be placed directly against the wall.

## SPECIAL COMBINATIONS

Fisher Conserv-Air  
Fume Hood Assemblies

Fisher's Conserv-Air Fume Hoods maintain a smooth, uniform flow of air from the open face, directly across the work surface and into two adjustable openings at the back of the hood. There is none of the turbulence that can trap fumes in the corners of conventional "box" hoods, or even carry them out into the laboratory.

The schematic diagram of the flow of air through a Conserv-Air Fume Hood shows the design features that make this control possible.

1. Curved vertical panels and a horizontal deflector vane surround the open face of the fume hood and direct the in-flowing air across the work surface. This directed current of air sweeps all fumes and air-borne particles into the lower of the two adjustable openings in the Asbestocite baffle that forms the back of the work chamber.

A one-inch space between the horizontal deflector vane and the front edge of the hood is always open, so that a stream of air flows across the work surface even when the sash is closed. The hood can never be "starved off" and its exhaust action stopped by closing the front.

2. All Fisher fume hoods, including the redesigned conventional hoods have a by-pass grille in the top of the hood. This by-pass eliminates the jet of high-velocity air that blows into ordinary hoods with increasing force as the sash is lowered.

When the sash is fully open, it blocks the grille and all the air enters through the face opening. As the sash is pulled down, more and more air comes in through the by-pass and flows directly into the baffle openings, sweeping fumes out of the entire work chamber.

The combined flow through the by-pass and the sash opening is always the same. A Conserv-Air fume hood consequently draws a constant volume of air out of the laboratory, no matter what the position of the sash, and continually purges any fumes from the hood and duct system.

3. Even when the sash is completely closed, the air flowing under the deflector vane combines with the stream from the by-pass grille to generate the regular pattern of air-flow shown in the diagram. A Conserv-Air Fume Hood is always functioning, as long as the blower is on.

This design gives Conserv-Air hoods several major advantages. They:

Exhaust fumes more completely than either conventional or balanced-air hoods, assuring a substantial increase in protection to personnel.

Draw 100% of the air exhausted across the work surface.

Provide an automatically controlled flow of air that can't build up into a violent "jet stream" and blow out flames or upset apparatus when the sash is nearly closed.

Eliminate any likelihood that leaks in the exhaust line can expel fumes into the laboratory.

(continued on next page)

**CONTEMPRA Furniture, Fume Hoods**



**FUME HOOD ASSEMBLY, Auxiliary Conserv-Air, Six-Foot, Explosion-Proof.** Approved by Underwriters' Laboratories for Class I, Groups C & D hazardous locations. In this fume hood, the incandescent lamp in the work chamber, the toggle switch on the lamp, the motor-blower switch, all wiring and the electrical outlets on the hood are all explosion-proof. Other features and construction are the same as the Six-Foot Auxiliary Conserv-Air Hood assembly. Supplied without motor-blowers, see page 1223. Shipping weight, 1370 pounds.

This assembly consists of:

One each, 93-602E.	Main Superstructure w/Class I, Group C & D Electrical Fittings
One each, 93-606.	Auxiliary Plenum Dome
One each, 97-60E-D.	DURATEK Top, 6 Ft.
Two each, 97-390.	Base Units
Total price, \$2134.00	

**FUME HOOD ASSEMBLY, Auxiliary Conserv-Air, Eight-Foot.** This Fume Hood Assembly is identical in construction with the Six-Foot Conserv-Air Fume Hood Assembly except for its eight-foot width and for the auxiliary air systems. Exhaust and auxiliary motor-blowers must be ordered separately, see page 1223. Shipping weight, 1800 pounds.

This assembly consists of:

One each, 93-802.	Main Superstructure
One each, 93-806.	Auxiliary Plenum Dome
One each, 97-80E-D.	DURATEK Top, 8 Ft.
Two each, 97-490.	Base Units
Total price, \$2083.00	

**FUME HOOD ASSEMBLY, Auxiliary Conserv-Air, Perchloric Acid Model.** Identical to the Conserv-Air, Five-Foot, Perchloric Acid assembly (see page 1217) except for its auxiliary air systems. Shipping weight, 1270 pounds.

This assembly consists of:

93-505.	Main Superstructure
93-506.	Auxiliary Plenum Dome
97-290.	Base Units
97-390.	Base Unit
Total price, \$2619.50	

**93-406. AUXILIARY PLENUM DOME, for Four-Foot Conserv-Air Hoods.** Same as No. 93-604-1 Auxiliary Plenum Dome, except it is designed to convert the 4-foot-wide Conserv-Air models to an Auxiliary model. Shipping weight, 155 pounds.

Each, \$265.00

**93-506. AUXILIARY PLENUM DOME, for Five-Foot Fume Hood.** Shipping weight, 310 pounds.

Each, \$123.00

**93-606. AUXILIARY PLENUM DOME, for Six-Foot Fume Hoods.** Replacing the superstructure cap of a 6 foot-wide Conserv-Air Fume Hood with this plenum converts it to the corresponding Auxiliary Conserv-Air model. An auxiliary motor-blower must also be added. Shipping weight, 245 pounds.

Each, \$341.00

**93-806. AUXILIARY PLENUM DOME, for Eight-Foot Fume Hood.** Shipping weight, 370 pounds.

Each, \$450.00

## Fisher By-Pass Conventional Fume Hood Assemblies

Fisher has increased the efficiency of its conventional fume hoods by adding a by-pass opening like those in the Conserv-Air fume hoods.

When the fume hood sash is fully open, it closes off the by-pass opening as shown in the diagram below, so that all the air is drawn in through the face of the hood. As the sash is lowered, the by-pass opens, allowing more and more air to enter as the face opening is closed off.

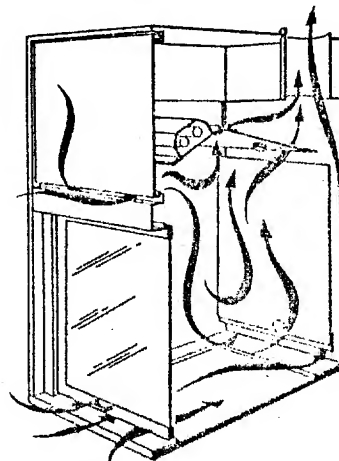
The total volume of air taken from the laboratory remains constant, regardless of the position of the sash, so that ventilation and air conditioning can be kept in adjustment. The double airstream, entering at the top and front of the hood, sweeps the entire chamber and prevents "dead" spots in the hood. The velocity of the air stream increases as the sash is pulled down, but no air blast builds up to disturb equipment in the hood.

**FUME HOOD ASSEMBLY, By-Pass Conventional, Cupboard Base, Four-Foot.** Like the Conserv-Air models, this fume hood has a double-wall superstructure of 16 gauge steel, finished with a slate gray exterior and shell white Asbestocite interior. The work top is Duratek.

It is designed for a face velocity of 100 fpm with 5/8 inch static pressure in the hood and duct. A motor-blower is not supplied with this model, but No. 17-091-12 Motor-Blower (see page 1223) with an 875 cmf exhaust capacity can be ordered separately to provide the 100 fpm face velocity. Larger motor-blowers can, of course, be ordered when higher face velocities are required.

This hood is 47 inches wide, 96 inches high and 30-1/2 inches deep over-all, with a work chamber 42 inches wide by 24 inches deep, and varying from 37 to 44 inches high because of the sloping baffles in the top.

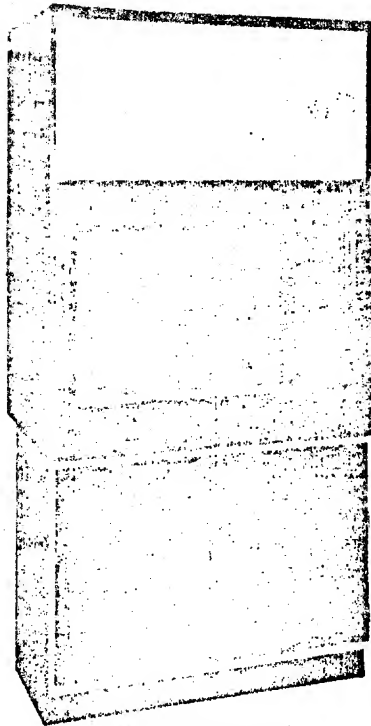
The counterweighted steel-frame sash is safety glass. The face opening with the sash fully raised is 30 inches high by 42 inches wide, or 8.75 square feet. The by-pass opening in the top of the superstructure functions as an access panel for installing and adjusting the wiring and sash cables.



Sash closed; by-pass open



CG. EMPRA Furniture, Fume Hoods



By-Pass Conventional  
Fume Hood Assembly  
with Cupboard Base

The superstructure is mounted on a No. 97-490 CONTEMPRA cupboard unit, with a roomy double cupboard above it. The duct from the chamber to the external exhaust system is 10 inches ID.

Cupboard doors are supplied in slate gray. Supplied without motor-blower, see page 1223. Shipping weight, 855 pounds.

This Fume Hood assembly consists of:

- |           |                           |
|-----------|---------------------------|
| 93-401.   | Superstructure            |
| 97-40H-D. | DURATEK Top, 30 inch Deep |
| 97-490.   | Base Unit                 |

Total price, \$812.50

**FUME HOOD ASSEMBLY, By-Pass Conventional, Cupboard Base, Four-Foot, Explosion-Proof.** This is an explosion-proof version of the By-Pass Conventional Fume Hood assembly. The incandescent lamp in the work chamber, the toggle switch on the lamp, the motor-blower switch, all wiring, and the electrical outlets on the hood are all explosion-proof, as listed by Underwriters' Laboratories for Class I, Group C & D hazardous locations. A motor-blower is not supplied with the fume hood, so an explosion-proof motor-blower must be ordered separately, see page 1223. Shipping weight, 775 pounds.

This assembly consists of:

- |           |                                                                   |
|-----------|-------------------------------------------------------------------|
| 93-401E.  | Main Superstructure w/Class I,<br>Group C & D Electrical Fittings |
| 97-40H-D. | DURATEK Top, 30 inch Deep                                         |
| 97-490.   | Base Unit                                                         |

Total Price, \$1499.50

**FUME HOOD ASSEMBLY, By-Pass Conventional, Cupboard Base, Remote Control Model, Four-Foot.** Furnished with one gas, one cold water and one 115 volt a-c outlet in the hood and with remote controls on the front of the base unit. The Duratek work top has a 3x6 inch oval PYREX brand glass cup sink. The base is the No. 97-490H CONTEMPRA base unit. Otherwise it is the same as the By-Pass Conventional Fume Hood Assembly. Supplied without a motor-blower, see page 1223. Shipping weight, 775 pounds.

This assembly consists of:

- |           |                              |
|-----------|------------------------------|
| 93-401.   | Superstructure               |
| 97-40F-D. | DURATEK Top w/Cupsink Cutout |
| 97-490H.  | Base Unit                    |
| 91-436.   | Electrical Face Plate        |
| 91-422.   | Remote Control Rod (G)       |
| 91-421.   | Remote Control Rod (CW)      |
| 91-561.   | Cupsink, 6 x 3 inches Oval   |

Total price, \$886.25

**FUME HOOD ASSEMBLY, By-Pass Conventional, Remote Control Model, Explosion-Proof, Four-Foot.** Supplied with the services and remote controls described above. Supplied without a motor-blower, see page 1223. Shipping weight, 795 pounds.

This assembly consists of:

- |           |                                                             |
|-----------|-------------------------------------------------------------|
| 93-401E.  | Superstructure w/Class I<br>Group C & D Electrical Fittings |
| 97-40F-D. | DURATEK Top w/Cupsink Cutout                                |
| 97-490H.  | Base Unit                                                   |
| 91-436.   | Electrical Face Plate                                       |
| 91-422.   | Remote Control Rod (G)                                      |
| 91-421.   | Remote Control Rod (CW)                                     |
| 91-561.   | Cupsink, 6 x 3 inches Oval                                  |

Total price, \$1574.25

**FUME HOOD ASSEMBLY, By-Pass Conventional, Cupboard Base, Six-Foot.** Identical to the Four-Foot By-Pass Conventional Fume Hood assembly on page 1220 except it's 70 inches wide and includes a cupsink and faucet.

This assembly consists of:

- |           |           |                        |
|-----------|-----------|------------------------|
| One each, | 97-60F-D. | DURATEK Top, 70 Inches |
| Two each, | 97-390.   | Base Units             |
| One each, | 91-561.   | Cupsink                |
| One each, | 91-470.   | Faucet                 |

Total price, \$1057.00

**FUME HOOD ASSEMBLY, By-Pass Conventional, Cupboard Base, Remote Control Model, Six-Foot.** This unit is identical to the Four-Foot Remote Model above except it has six-foot components. Shipping weight, 1185 pounds.

Total price, \$1227.00

**93-401. FUME HOOD SUPERSTRUCTURE, By-Pass Conventional, Four-Foot.** This is the superstructure only of the By-Pass Conventional Fume Hood; the work top and base unit are not supplied. It has double-wall of 16 gauge steel, finished with a slate gray exterior and shell white Asbestocite interior. It can be placed on a base unit and work top assembly to provide additional fume hood facilities in an existing lab installation. Supplied without motor-blower, see page 1223. Shipping weight, 575 pounds.

Each, \$578.00

**93-601. FUME HOOD SUPERSTRUCTURE, By-Pass Conventional, Six-Foot.** Superstructure only for the Six-Foot By-Pass Conventional Hood.

Each, \$775.00

(continued on next page)



### Recommended Motor-Blowers for CONTEMPRA Fume Hood Assemblies

Fume Hood	Face Velocity (FPM)	Sash Opening (sq. ft.)	Total CFM	Static Pressure			Velocity In Duct (FPM)	Exhaust Collar (I.D.)	Recommended** Exhaust Blowers Catalog Nos.
				Hood	Duct*	Total			
<b>Standard Models</b>									
By-Pass Hood, 4 ft. w/cupboard base	100	8.75	875	3/8"	1/8"	1/2"	1600	10"	17-091-12
Remote Control Hood, 4 ft.	125	8.75	1095	3/8"	1/8"	1/2"	2000	10"	17-091-14
 By-Pass Conventional Hood, 6 ft.	100	13.75	1375	1/2"	1/4"	3/4"	2500	10"	93-809
Remote Control Hood, 6 ft.	125	13.75	1718	1/2"	1/4"	3/4"	2200***	10"	17-091-15
 Conserv-Air Hood, Compact 4 ft.	70	7.5	525	1/4"	1/8"	3/8"	1500	8"	17-091-7
Conserv-Air Hood, 4 ft.	85	7.5	638	3/8"	1/8"	1/2"	1800	8"	17-091-4
Auxiliary Conserv-Air Hood, 4 ft.	100	7.5	750	1/2"	1/4"	3/4"	2100	8"	17-091-12
 Perchloric Acid Conserv-Air Hood, Compact	125	10.0	1250	5/8"	1/4"	7/8"	2300	10"	93-807
Perchloric Acid Auxiliary Conserv-Air Hood,	150	10.0	1500	3/4"	1/4"	1	1900***	10"	93-810
 Radioactive Conserv-Air Hood, 5 ft.	125	10.0	1250	5/8"	2-3/8"	3	2300	10"	93-803
 Conserv-Air Hood, Compact, 6 ft.	70	12.5	875	1/4"	1/8"	3/8"	1600	10"	17-091-12
Conserv-Air Hood, 6 ft.	85	12.5	1063	3/8"	1/8"	1/2"	1900	10"	17-091-14
Auxiliary Conserv-Air Hood, 6 ft.	100	12.5	1250	1/2"	1/4"	3/4"	2300	10"	17-091-15
 Conserv-Air Hood, 8 ft.	70	17.5	1225	1/4"	1/4"	1/2"	1600***	2-10	17-091-14
 Auxiliary Conserv-Air Hood, 8 ft.	85	17.5	1488	1/4"	1/4"	1/2"	1900***	2-10	93-809
	100	17.5	1750	3/8"	3/8"	3/4"	2200***	2-10	17-091-15
 <b>Auxiliary Modelst</b>									
Auxiliary Conserv-Air Hood, 4 ft.	70	.....	315†	1/8"	1/8"	1/4"	925	8"	93-800
	85	.....	390†	1/4"	1/8"	3/8"	1175	8"	93-800
	100	.....	450†	3/8"	1/8"	1/2"	1300	8"	93-800
 Auxiliary Perchloric Acid Hood, 5 ft.	100	.....	600†	3/8"	1/8"	1/2"	1100	10"	17-091-7
Auxiliary Conserv-Air Hood 5 ft.	125	.....	750†	1/2"	1/8"	5/8"	1400	10"	93-801
 Auxiliary Conserv-Air Hood, 6 ft.	70	.....	525†	1/8"	1/8"	1/4"	975	10"	93-800
	85	.....	638†	1/4"	1/8"	3/8"	1175	10"	93-801
	100	.....	750†	3/8"	1/8"	1/2"	1375	10"	93-801
 Auxiliary Conserv-Air Hood, 8 ft.	70	.....	735†	1/8"	1/8"	1/4"	1350	10"	17-091-7
	85	.....	893†	1/4"	1/8"	3/8"	1650	10"	93-801
	100	.....	1050†	3/8"	1/8"	1/2"	1900	10"	93-808

\*Based on average of 1/8" or 1/4" static pressure when fume hoods have less than 25 feet or equivalent duct length, a maximum duct velocity of approximately 2000 fpm, and a known exhaust volume. Individual laboratories will vary and may require sizing the motor-blower at a higher static pressure.

\*\*If explosion-proof motor-blowers are required you can order one by adding an "E" to the end of any of the above catalog numbers.

\*\*\*Recommend increase to 12-inch diameter exhaust duct to maintain satisfactory sound level in duct system.

†Based on a capacity equal to 60% of the hood air requirement.